1st International Conference on Mathematics and Applied Science (ICMAS) 2022
Mehran University of Engineering & Technology, SZAB Campus Khairpur Mirs', Pakistan

(March 21-23, 2022)

## CONFERENCE PROGRAM
### DAY 01, Monday, 21st MARCH 2022
### Inauguration Ceremony
### (Venue: MUET SZAB Khairpur, MAIN AUDITORIUM)

| Time | | |
|------|---|---|
| 08:00 - 08:30 | Registration of Participants | |
| 08:30 - 09:00 | Guests/Authors to be Seated | |
| 09:00 - 09:05 | Recitation of Holy Quran by Mr. Atta UL Momin | |
| 09:05 - 09:15 | National Anthem | |
| 09:15 - 09:25 | Seating of Guest of Honors | |
| 09:25 - 09:35 | Welcome Address | Prof. Dr. Rafique Ahmed Memon (Conference Chair) |
| 09:35 - 09:45 | Objectives of the Conference | Prof. Dr. Abdul Sami Qureshi Pro-Vice Chancellor MUET SZAB Campus (Patron) |
| 09:45 - 10:00 | **Ajraks & Shields** | |
| 10:00 - 10:10 | Guest of Honor | Engr. Mukhtiar Ali Sheikh, Vice Chairman Sindh, PEC Islamabad |
| 10:10 - 10:20 | Guest of Honor | Syed Abdul Qadir Shah, Ex. Chairman PEC, Islamabad |
| 10:20 - 10:30 | Guest of Honor | Prof. Dr. Syed Mir Muhammad Shah, Vice Chancellor Sukkur IBA |
| 10:30 - 10:40 | Guest of Honor | Prof. Dr. Khalil Ahmed Ibupoto, Vice Chancellor SALU, Khairpur Mirs |
| 10:40 - 10:50 | Guest of Honor | Prof. Dr. Muhammad Aslam Uqaili, Ex. Vice Chancellor, MUET, Jamshoro |
| 10:50 - 11:00 | Patron in chief | Prof. Dr. Tauha Hussain Ali, Vice Chancellor, Mehran UET, Jamshoro |
| 11:00 - 11:10 | Chief Guest | Mr. Muhammad Mureed Rahimoon, Secretary Universities & Boards, Government of Sindh |
| 11:10 - 11:20 | Secretary ICMAS | Dr. Mazhar Hussain Baloch |
| **Hi Tea & Networking (11:20 AM to 11:50 AM)** | | |

## DAY 01, Monday, 21st MARCH 2022
### (Venue: Main Auditorium & Central Library MUET SZAB)

| Location | Main Auditorium MUET | Central Library MUET |
|----------|----------------------|----------------------|
| **Plenary Session Invited Speakers/Authors** | | |
| **Time** | | **Time** | |

| Time | Main Auditorium MUET | Time | Central Library MUET |
|------|----------------------|------|----------------------|
| 11:50 to 12:15 | **Session Chair:** **Prof. Dr. Anil Kumar**<br><br>**Session Co-Chair:** **Dr. Bilal Shams Memon**<br><br>**ICMAS-KEYNOTE-01**<br>PERSPECTIVES OF UTILIZATION OF AI/ML MODELS IN TAXATION<br>(*Physical*)<br><br>*By:* **Prof. Dr. Nasrullah Memon** | 11:50 to 12:05 | **Session Chair:** **Dr. Liaquat Ali Lund**<br><br>**Session Co-Chair:** **Dr. Muhammad Rafiq Naich**<br><br>**Author-ICMAS-215**<br>AN APPLICATION OF LANGLOIS RECURSIVE METHOD FOR THE CREEPING SQUEEZE FLOW OF VISCOELASTIC FLUID BETWEEN TWO PARALLEL CIRCULAR DISKS<br>(*Physical*)<br><br>*By:* **Muhammad Memon** |
| 12:15 To 12:40 | **ICMAS-KEYNOTE-02**<br>NONLINEAR TERNARY INTERPOLATING SUBDIVISION SCHEMES<br>(*Physical*)<br><br>*By:* Prof. Dr. Muhammad Aslam | 12:05 To 12:20 | **Author-ICMAS-129**<br>MATHEMATICAL EVALUATION OF GEOTHERMAL ENERGY EXTRACTICMASION FOR OPTIMUM ENERGY RECOVERY FROM HIGH TEMPERATURE OIL AND GAS RESERVIORS OF PAKISTAN (*Physical*)<br><br>*By:* **Muhammad Shajee** |
| 12:40 To 01:05 | **ICMAS-KEYNOTE-03**<br>MATHEMATICS AND DIESEL ENGINE DESIGN<br>(Physical) | 12:20 To 12:35 | **Author-ICMAS-128**<br>MATHEMATICAL FINITE ELEMENT ANALYSIS OF NATURAL GAS HYDRATES DISSOCIATION IN MARINE METHANE RESERVOIRS LOCATED ALONG THE COASTAL LINE OF PAKISTAN (*Physical*) |

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| Time | Session (Left) | | Time | Session (Right) |
|---|---|---|---|---|
| | *By: Khalid Saifullah Syed* | | | *By: Hakim Ali* |
| 01:05 to 01:30 | **ICMAS-KEYNOTE-04**<br>A VARIANT OF STEFFENSEN-OSTROWSKİ TYPE ITERATİVE SCHEME FOR APPROXİMATİNG ZEROS OF NON-LİNEAR EQUATİONS<br>*(Physical)* | | 12:35 to 12:50 | **Author-ICMAS-109**<br>ENERGETIC PERFORMANCE OF SOLAR ENERGY BASED SWEEPING GAS MEMBRANE DISTILLATION SGMD<br>*(Physical)* |
| | *By: Saima Akram* | | | *By: Mohsin Ali* |
| 01:30 To 01:55 | **ICMAS-KEYNOTE-06**<br>SWITCHED RELUCTANCE MACHINE AS A POTENTIAL CONTENDER IN DOMESTIC AND INDUSTRIAL APPLICATIONS<br>*(Physical)* | | 12:50 To 01:05 | **Author-ICMAS-159**<br>COLLECTIVE BEHAVIOR OF SELF-PROPELLED PARTICLE IN THE PRESENCE OF DIFFUSIVE OBSTACLES<br>*(Physical)* |
| | *By: Prof. Dr. Ali Asghar Memon* | | | *By: Ghulam Abbass Chandio* |
| | | | 01:05 To 01:20 | **Author-ICMAS-213**<br>NUMERICAL SOLUTION OF TIME-FRACTIONAL REACTION-DIFFUSION COUPLED EQUATIONS IN BIOLOGICAL AND CHEMICAL SYSTEMS<br>*(Physical)* |
| | | | | *By: Muhammad Fiaz* |
| | | | 01:20 to 01:35 | **Author-ICMAS-207**<br>INVESTIGATING MUNICIPLE SOLID WASTE SUPPLY CHAIN FOR IMPROVING SOLID WASTE MANAGEMENT IN HYDERABAD, SINDH *(Physical)* |
| | | | | *By: Zubair Ali Memon* |
| | | | 01:35 to 01:50 | **Author-ICMAS-127**<br>EXPLORATORY STUDY OF RIGHTS AND SAFETY MEASURES OF GIG WORKERS: A CASE STUDY OF HYDERABAD<br>*(Physical)* |
| | | | | *By: Anum Ume Kulsoom Channa* |

**Prayers and Lunch Break (02:00 to 03:00 PM)**

| Time | Session (Left) | | Time | Session (Right) |
|---|---|---|---|---|
| 3:00 To 3:25 | **Author-ICMAS-120**<br>ON THE MOLECULAR STRUCTURE OF HYDROXYCHLOROQUINE FOR THE TREATMENT OF COVID-19<br>(Physical) | | 3:00 To 3:15 | **Author-ICMAS-155**<br>THE IMPACT OF MONETRY POLICY ON STOCK MARKET INDEX EVIDANCE FROM STOCK EXCHNAGE OF PAKISTAN<br>*(Physical)* |
| | *By: Abdul Hakeem Phulpoto* | | | *By: Asif Ali Shar* |
| 3:25 To 3:40 | **ICMAS-KEYNOTE-05**<br>Keynote Talk<br>*(Online)* | | 03:15 to 03:30 | **Author-ICMAS-167**<br>PAKISTAN'S WAY FORWARD TOWARDS LONG-TERM OPTIMAL POWER GENERATION *(Physical)* |
| | *By: Dr. Safeeullah Soomro* | | | *By: Abdul Hafeez Tunio* |
| 3:40 To 3:55 | **ICMAS-KEYNOTE-142**<br>EFFECT OF GAS TEMPERATURE ON THE CRITICAL VELOCITY OF SOLID PARTICLE IN COLD SPRAY: A NUMERICAL STUDY<br>*(Physical)* | | 03:30 to 03:45 | **Author-ICMAS-209**<br>DEVELOPMENT OF AN EXPLICIT ITERATIVE NUMERICAL SCHEME OVER THE MODIFIED EULER'S METHOD<br>*(Physical)* |
| | *By: Azhar Farid Khan* | | | *By: Tulja Ram* |

## Gala Dinner/Musical Night
## Venue: Main Auditorium, MUET SZAB Campus
## Time: 07:30 P.M

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# DAY - 2, Tuesday, 22nd MARCH, 2022
## (Venue: Auditorium MUET SZAB, Central Library, SALU, IBA Sukkur)

| Location | Main Auditorium MUET | Time | Central Library MUET | SALU Khairpur | | Sukkur IBA |
|---|---|---|---|---|---|---|
| Time | Plenary Session Invited Speakers/Authors | | Plenary Session Invited Speakers/Authors | | | |
| 09:00 to 09:25 | Session Chair: Prof. Dr. Abdul Latif Qureshi | 09:00 to 09:15 | Session Chair: Dr. Ghulam Shabir Solangi | Session Chair: Dr. Liaquat Ali Lund | Session Chair: Dr. Riaz Ahmed Sheikh | Session Chair: |
| | Session Co-Chair: Dr. Muhammad Ali Abro | | Session Co-Chair: Dr. Aqeel Ahmed Bhutto | Session Co-Chair: Dr. Inayat Soomro | Session Co-Chair: Dr. Suhail Ahmed Memon | Session Co-Chair: |
| | ICMAS-KEYNOTE-07 DEEP-DATA-DRIVEN NEURAL NETWORKS FOR MATHEMATICAL MODELS- A COVID-19 CASE STUDY (Online) | | Author-ICMAS-101 Toll Automation System Using RFID And Web Portal (Physical) | ICMAS-KEYNOTE-20 ON HIGHLY EFFICIENT FAMILY OF SIMULTANEOUS METHODS FOR FINDING ALL POLYNOMIAL ROOTS (Physical) | Author-ICMAS-191 NEWTON'S SIMULATION OF CONSTANT VISCOSITY FLUIDS VISUALIZED THROUGH CURVED ELBOW (Physical) | ICMAS-KEYNOTE-23 MODELING AND SIMULATION IN PROCESS ENGINEERING AND COMPUTATIONAL FLUID DYNAMICS (Physical) |
| | By: Prof. Dr. Abdul Qayyum M. Khaliq | | By: Zeghum Abbas | By: Prof. Dr. Nazir Ahmad Mir | By: Hammadullah | By: Prof. Dr. Shamsul Qamar |
| 09:25 To 09:50 | ICMAS-KEYNOTE-08 (Online) | 09:15 to 09:30 | Author-ICMAS-217 THE ADAPTIVE REGULARIZATION FOR DISPARITY MAP COMPUTATIONS BASED ON GRADIENT CONSTRAINT OPTIMIZATION (Physical) | ICMAS-KEYNOTE-21 (Physical) | Author-ICMAS-192 HYBRID NUMERICAL COMPUTATIONS OF LIQUID FLOW VISUALIZATION IN THE CHANNEL IMPOSED RECTANGULAR BAFFLE (Physical) | ICMAS-KEYNOTE-24 (Physical) |
| | By: Prof. Dr. Rasool Bux Mahar | | By: Izhar Ali Amur | By: Prof. Dr. Thabet Abdeljawad | By: Kashif Ali Dharejo | By: Dr. Muhammad Bilal Riaz |

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| 09:50 to 10:15 | ICMA-KEYNOTE-09 DEVELOPMENT OF NANO HYBRID MATERIALS FOR ENERGY AND ENVIRONMENTAL APPLICATIONS: APPLIED MATHEMATICS AND EXPERIMENTAL PERSPECTIVES (*Physical*) | 09:30 to 09:45 | Author-ICMAS-130 SOME CLASSES FOR PERIODIC SOLUTIONS OF QUARTIC SYSTEM (2-D) (*Physical*) | ICMAS-KEYNOTE-22 MULTILEVEL HELMHOLTZ SOLVER WITH APPLICATIONS IN SEISMIC IMAGING (*Physical*) | ICMAS Author-198 OPTIMIZATION OF WATER RELEASES OF NAI GAJ DAM (*Physical*) | ICMAS-KEYNOTE-25 Key Note Talk (*Physical*) |
|---|---|---|---|---|---|---|
| | *By:* **Dr. Zafar Hussain Ibupoto** | | *By:* **Allah Nawaz** | *By:* **Dr. Abdul Hanan Sheikh** | *By:* **Dr. Kanya Lal** | *By:* **Prof. Dr. Fahad Jarad** |
| 10:15 to 10:40 | ICMAS-KEYNOTE-10 MULTIFACETED TRAJECTORIES IN FRACTIONAL-ORDER LORENZ-STENFIO MODEL WITH FEEDBACK MEMRISTOR: CIRCUIT AND MULTIMEDIA ENCRYPTION (*Physical*) | 09:45 to 10:00 | Author-ICMAS-131 A Variant of Three-point Derivative-free Scheme with Accelerated Convergence Order (*Physical*) | **Session Chair:** **Dr. Tahira Jat** | Author-ICMAS-199 MATHEMATICAL AND COMPUTATIONAL MODELLING OF COLLECTIVE BEHAVIOR AND SWARMING OF SELF-PROPELLED PARTICLES (*Physical*) | Author-ICMAS-113 DIAGNOSING THE SUSTAINABLE DEVELOPMENT OF GREEN GROWTH IN PAKISTAN (*Physical*) |
| | *By: Dr.* **Najeeb Alam Khan** | | *By:* **Saima Akram** | | *By:* **Imran Ahmed Memon** | *By:* **Vikram Kumar** |
| 10:40 to 11:00 | ICMAS-KEYNOTE-11 ANALYSIS OF THERMALLY STRATIFIED NANOFLUID FLOW WITH MODIFIED DIFFUSIVE MODEL AND VARIABLE THERMAL CONDUCTIVITY (*Physical*) | 10:00 to 10:15 | Author-ICMAS-133 ON THE CONSTRUCTION OF OPTIMAL EIGHTH ORDER METHOD FOR MULTIPLE ZEROS OF NONLINEAR EQUATIONS (*Physical*) | Author-ICMAS-226 MODELLING PHYTOPLANKTON DYNAMICS: A LAGRANGIAN STOCHASTIC APPROACH (*Physical*) | Author-ICMAS-201 DISCRETIZATION OF LAPLACIAN OPERATOR ON 19-POINTS STENCIL USING CYLINDRICAL MESH SYSTEM WITH THE HELP OF EXPLICIT FINITE DIFFERENCE SCHEME (*Physical*) | Author-ICMAS-114 SPEED CONTROL OF DIRECT TORQUE CONTROL INDUCTION MOTOR DRIVE USING FUZZY ADAPTIVE PID CONTROLLER (*Physical*) |
| | *By:* **Dr. Muhammad Farooq** | | *By:* **Faiza Akram** | *By:* **Muhammad Bux** | *By:* **Rabnawaz Mallah** | *By:* **Muhammad Umar** |
| | | 10:15 to 10:30 | Author-ICMAS-135 A NEW NONLINEAR $\mathscr{L}$-STABLE | Author-ICMAS-227 PRINCIPAL COMPONENT ANALYSIS | Author-ICMAS-202 EMPLOYING EXPLICIT FINITE | Author-ICMAS-136 A COMPARATIVE ANALYSIS OF |

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| | | | SCHEME WITH CONSTANT AND ADAPTIVE STEP-SIZE STRATEGY (*Physical*) | (*Physical*) | DIFFERENCE SCHEME TO STABLISH APPROXIMATE FORMULATIONS FOR DISCRETIZATION OF LAPLACIAN ON 13-POINT STENCIL USING CYLINDRICAL MESH SYSTEM (*Physical*) | DIFFERENT TOPOLOGY DESCRIPTION METHODS FOR 3D GRAINS IN POLYCRYSTALLINE MICROSTRUCTURES (*Physical*) |
|---|---|---|---|---|---|---|
| | | | *By:* **Sadia Arain** | *By:* **Adeel Ahmed Shaikh** | *By:* **Dost Muhammad Makko** | *By:* **Asad Ullah** |
| **Hi Tea & Networking (11:00 AM to 11:30 AM)** | | | | | | |
| **11:30 to 11:55** | **ICMAS-KEYNOTE-12 ROLE OF THERMAL STABILITY ON CONVECTION OF FLUID BASED ON MAGNETIC EFFECTS VIA FRACTAL-FRACTIONAL DIFFERENTIAL OPERATORS** (*Physical*) | **11:30 to 11:45** | **Author-ICMAS-147** ASSESSMENT OF BUSINESS INCUBATION IN ENGINEERING UNIVERSITIES: A STUDY OF INNOVATION AND ENTREPRENEURSHIP CENTER, MEHRAN UET, JAMSHORO (*Physical*) | **Session Chair:** **Dr. Tahira Jat** | **Author-ICMAS-204** STATISTICAL ANALYSIS OF ECONOMIC DEVELOPMENT OF PAKISTAN 1980-2018 (*Physical*) | **Author-ICMAS-181** SIGNIFICANCE OF NANOPARTICLES AGGREGATION ON THE DYNAMICS OF ROTATING NANOFLUID SUBJECT TO GYROTACTIC MICROORGANISMS, AND LORENTZ FORCE (*Physical*) |
| | | | | **Session Co-Chair:** **Dr. Israr Memon** | | *By:* **Bagh Ali** |
| | *By:* **Kashif Ali Abro** | | *By:* **Mariam Riaz** | | *By:* **Hizbullah Memon** | |
| **11:55 to 12:20** | **ICMAS-KEYNOTE-13** ON STABILITY OF NANOPARTICLES TO ENHANCE THERMAL PERFORMANCE OF MHD NANOFLUID FLOW OVER A STRETCHABLE ROTATING DISK WITH BIO-CONVECTION EFFECTS (*Physical*) | **11:45 to 12:00** | **Author-ICMAS-216** GENERALIZED LAPLACE EXPANSION FOR EIGENVALUES AND EIGENVECTORS (*Physical*) | **Author-ICMAS-118** IoT BASED MONITORING AND CONTROL OF BLDC MOTOR SPEED AND DIRECTION (*Physical*) | **Author-ICMAS-205** MATHEMATICAL AND COMPUTATIONAL MODELLING OF SELF-PROPELLED PARTICLES IN HETEROGENEOUS MEDIA (*Physical*) | **Author-ICMAS-152** MGARCH-DCC VOLATILITY ANALYSIS: DIVERSIFICATION OPPORTUNITIES FOR INVESTMENT IN KSE-100 INDEX (*Physical*) |

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| | | | *By:* Maria Junejo | *By:* Karim Khan | *By:* Israr Ahmed Memon | *By:* Muneer Ahmed Khatian |
|---|---|---|---|---|---|---|
| **12:20 to 12:45** | *By: Prof. Dr.* Farooq Ahmad<br><br>**ICMAS-KEYNOTE-14**<br>SOME NEW FRACTIONAL OPERATORS AND APPLICATIONS TO INTERESTING PROBLEMS *(Online)*<br><br>*By: Dr.* Ali Akgül | **12:00 to 12:15** | **Author-ICMAS-116** ANTECEDENTS OF DISCIPLINE SWITCHING AND ITS RANKING: A SYSTEMATIC REVIEW *(Physical)*<br><br>*By:* Unsa Khalique Soomro | **Author-ICMAS-176** NUMERICAL ANALYSIS OF FLOW AROUND SPUR DIKE USING FLOW-3D *(Physical)*<br><br>*By:* Muhammad Faizan Khatri | **Author-ICMAS-208** IMPACT OF GROUNDWATER QUALITY FOR IRRIGATION PURPOSES USING GEOSPATIAL TOOLS AND IRRIGATION INDICES: A CASE STUDY OF MATIARI DISTRICT, SINDH, PAKISTAN *(Physical)*<br><br>*By:* Faheem Raza | **Author-ICMAS-123** ON THE ANALYSIS AND DESIGN OF HIGHER-ORDER OSTROWSKI'S TYPE WITH-MEMORY FAMILY OF ITERATIVE METHODS *(Physical)*<br><br>**By:** Maira Khalid |
| **12:45 to 01:10** | **ICMAS-KEYNOTE-15**<br>**NUMERICAL SIMULATION OF ARSENIC REMOVAL FROM WATER BY MODIFIED POLYACRYLONITRILE FIBER (MPAN)** **(Online)**<br><br>*By: Prof. Dr. Khadija Qureshi* | **12:15 to 12:30** | **Author-ICMAS-115** AUTOMATED IMAGE DATASET COLLECTION SYSTEM FOR COTTON CROP LEAVES *(Physical)*<br><br>*By:* Yaqoob Ali | **Author-ICMAS-190** NON-NEWTONIAN FLUID FLOW BEHAVE VIA CORRUGATED TUBE; FINITE ELEMENT TOOL THROUGH COMPUTATIONAL PACKAGE *(Physical)*<br><br>*By:* Attaullah Samejo | **Author-ICMAS-218** COMPUTING STRUCTURED SINGULAR VALUES FOR STURM-LIOUVILLE PROBLEMS *(Physical)*<br><br>*By:* Ghulam Abbas Memon | **Author-ICMAS-119** INDUSTRIALIZED BUILDING SYSTEM (IBS) IN PAKISTAN, A CHALLENGE OR WAY FORWARD TO INNOVATION *(Physical)*<br><br>*By:* Suneel Vasandani |
| **01:10 to 01:35** | **ICMAS-KEYNOTE-16**<br>**Key Note Talk** **(Online)**<br><br>*By: Prof. Dr.* Mukhtiar Ali Unar | **12:30 to 12:45** | **Author-ICMAS-229** COMBINATORICS ON COXETER GROUPS *(Physical)*<br><br>*By: Ms.* Farhana Noor | **Author-ICMAS-134** CLASSIFICATION OF COVID-19 BY X-RAY IMAGES AND CT SCAN *(Physical)*<br><br>*By:* Kaldeep Kumar | **Author-ICMAS-223** COMPACTNESS PROBLEM FOR K-INTERPOLATION METHOD *(Physical)*<br><br>*By:* Nabeel Ahmed | **Author-ICMAS-200** MATHEMATICAL STUDY OF ORDERED-PHASES OF AB-DIBLOCK COPOLYMERS SYSTEM UNDER SURFACE FIELD WITH POLAR GEOMETRIES *(Physical)*<br><br>*By:* Muhammad Javed Iqbal |
| | **Author-ICMAS-210** ON MAXIMAL CURVES OF GENUS | **12:45 to 01:00** | **Author-ICMAS-168** | **Author-ICMAS-148** | **Author-ICMAS-224** | **Author-ICMAS-219** |

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| | | | | | | |
|---|---|---|---|---|---|---|
| **01:35 to 1:50** | 2 OVER FINITE FIELDS *(Physical)* | | LAND-USE/LAND-COVER AND WATERSHED DELINEATION OF SOUTHERN SUB-WATERSHED OF PISHIN LORA BASIN, BALOCHISTAN *(Physical)* | COMPUTER SIMULATION OF PARTIALLY CLOSED SQUARE LID–DRIVEN CAVITY FLOW *(Physical)* | HOLDER FACTORIZATION OF BANACH FUNCTION SPACES *(Physical)* | ORBITAL DYNAMICS IN NEWTONIAN GRAVITY AND IN GENERAL RELATIVITY *(Physical)* |
| | **By: Iqrar Ali Pali** | | **By: Rabia Liquat Ali** | **By: Zulqarnen Asadullah Khoso Baloch** | **By: Unsa Aas** | **By: Zainab** |
| **01:50 to 02:05** | **Author-ICMAS-211** COMPLIMENTARTY REGULARIZATION FOR PERONA MALIK MODEL AND ITS APPLICATIONS IN MATRIX VALUED IMAGES *(Physical)* | **01:00 to 01:15** | **Author-ICMAS-154** PERFORMANCE ANALYSIS OF NOVEL DESIGN INDUCED DRAFT WET COOLING TOWER *(Physical)* | **Author-ICMAS-230** NUMERICAL COMPUTATIONS OF NEWTONIAN FLUID MOVEMENT THROUGH THE BACKWARD STEP CHANNEL FITTED THE POROUS AND NON-POROUS BAFFLES *(Physical)* | **Author-ICMAS-225** PRICING OF VARIOUS VERSIONS OF POWER RATCHET OPTIONS *(Physical)* | **Author-ICMAS-220** ON WELL-POSEDNESS AND INVARIANCE OF CONSTRAINED POROUS MEDIUM EQUATION ON A HILBERT MANIFOLD *(Physical)* |
| | **By: Muzaffar Bashir Arain** | | **By: Aftab Ali Khuhro** | **By: Rafique Ahmed** | **By: Darshan Lal** | **By: Abdul Fatah** |
| | | **01:15 to 01:30** | **Author-ICMAS-153** THRESHOLD VALUES FOR THE BRIGHTNESS INDEX (BI) TO IDENTIFY SOIL SALINITY CLASSES IN THE MALWAH DISTRIBUTARY COMMAND AREA IN SHAHEED BENAZIRABAD, SINDH *(Physical)* | **Author-ICMAS-188** ON EXACT-ANALYTICAL SOLUTIONS FOR NONLINAER VIBRATING MEMBRANE VIA ADOMIAN DECOMPOSITON METHOD *(Physical)* | **ICMAS- ICMAS -203** NUMERICAL FORMULATION OF DISCRETIZED LAPLACIAN OPERATOR ON 9-POINT STENCIL USING POLAR MESH SYSTEM EMPLOYING CRANK-NICOLSON'S SCHEME *(Physical)* | **Author-ICMAS-221** DIFFUSIVE COUPLERS FOR OCEAN BIOGEOCHEMICAL SIMULATIONS *(Physical)* |
| | | | **By: Preh Gulshan** | **By: Sanaullah Dehraj** | **By: Altaf Ahmed Soomro** | **By: Ahmed Khan** |

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| | | | Author-ICMAS-139 NUMERICAL ANALYSIS OF TURBULENT PLANE JET (*Physical*) | ICMAS- ICMAS -212 NUMERICAL SIMULATION OF COMBUSTION CHAMBER FILM COOLING MECHANISM (*Physical*) | |
|---|---|---|---|---|---|
| | | 01:30 to 01:45 | *By:* **Muhammad Bilal** | *By:* **Sanaullah Memon** | |
| **Prayers and Lunch Break (02:00 to 03:00 PM)** | | | | | |

**Prayers and Lunch Break (02:00 to 03:00 PM)**

| Time | Keynote | Time | Col A | Col B | Col C | Col D |
|---|---|---|---|---|---|---|
| 03:00 to 03:25 | **ICMAS-KEYNOTE-17** STUDY OF RABINOWITSCH FLUID FLOW THROUGH THE STENOTIC ARTERY OF ELLIPTICAL CROSS SECTION (*Physical*) | 03:00 to 03:15 | ICMAS- ICMAS -145 INTERPRETATION OF PASSION AND ITS ENTREPRENEURIAL IN MODERN ERA (*Physical*) | Author-ICMAS-232 MHD TWO-DIMENSIONAL FLOW OF HYBRID NANOFLUID OVER A SHRINKING SURFACE (*Physical*) | Author-ICMAS-233 EFFETC OF SECTOR TYPE OBSTACLES ON FLUID FLOWS FITTED IN THE TWO OUTLET CHANNEL THROUGH FINITE ELEMNT MODELLING (*Physical*) | ICMAS- ICMAS -222 ASSESSING THE RANDOM WALK MODEL FOR 1D VERTICAL TRACER TRANSPORT IN THE NORTH-WEST PACIFIC OCEAN (*Physical*) |
| | *By:* **Dr. Aziz Ullah Awan** | | *By:* **Robina Sultan** | *By:* **Sumera Dero** | *By:* **Akhtiar Ali Mirbahar** | *By:* **Shahmir Khan** |
| 03:25 To 03:50 | **ICMAS-KEYNOTE-18** MODELING AND SUPERVISORY CONTROL OF FUZZY INTERVAL DISCRETE EVENT SYSTEMS AND ITS APPLICATION (*Online*) | 03:15 to 03:30 | Author-ICMAS-157 Inducing Factors Towards Selection Of Career For Science, Technology, Engineering and Mathematics (STEM) Undergraduates (*Online*) | Author-ICMAS-206 FEM BASED IMPLICIT NUMERICAL APPROACH FOR THE GLYCOLYSIS MODEL (*Physical*) | | ICMAS- ICMAS -228 REPRESENTATIONS OF SEMISIMPLE LIE ALGEBRAS (*Physical*) |
| | *By:* **Prof. Dr. Madya Kavikumar Jacob** | | *By:* **Kainat Talpur** | *By:* **Nek Muhammad Katbar** | | *By:* **Muhammad Akram** |
| 03:50 To 04:15 | **ICMAS-KEYNOTE-19** Key Note Talk (*Online*) *By:* **Prof. Dr. Qasem M. Al-Mdallal** | 03:30 to 03:45 | | | | |

**CONCLUDING CEREMONY: 04:30 – 05:50 PM**

Note:
Keynote Speakers/Authors are requested to please make it convenient to present in the hall 15 minutes prior to their talk/presentation.
For online talk/presentation please make it convenient to come online 15 minutes prior to your talk/presentation.
In case of absence by the Keynote/Author next in the que will be called for talk/presentation.

## PROGRAM CONCLUDING CEREMONY

| 04:30 | Guests to be Seated |
|-------|---------------------|
| 04:45 | Recitation of Holy Quran by **Hafiz Moizan** Masjid MUET SZAB |
| 04:50 | Conference Report and Recommendation by **Dr. Muhammad Ali Abro**, (Chairman Mechanical Engineering Department) |
| 04:55 | Presidential Address by **Prof. Dr. Abdul Sami Qureshi,** Honorable Pro Vice-Chancellor, Mehran University of Engineering & Technology, SZAB Campus Khairpur Mirs' |
| 05:05 | Address by Guest of Honor **Mr. Feroze Ahmed Mahar**, Director Finance, Sindh Higher Education Commission |
| 05:15 | Address by the Chief Guest **Syed Qaim Ali Shah Jeelani**, Honorable Ex. CM Sindh |
| 05:30 | Distribution of Certificates/Shields |
| 05:50 | Vote of Thanks by **Dr. Sajjad Ali Mangi**, Conference Co-Secretary |

## DAY 3 – WEDNESDAY, 23 MARCH 2022
## FIELD VISIT

## END of Conference

Note:
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